

I-90 Exit 59 (La Crosse Street)

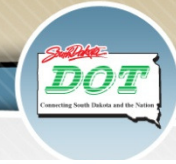
Interchange Options Study



Public Open House #1

November 29, 2012: 5:00 PM – 7:00 PM

Study Area



Study Area:

- I-90
 - Vicinity of La Crosse Street
- La Crosse Street
 - Elgin Street to Disk Drive

Study Partners



Advisory Agencies:

- South Dakota Department of Transportation (SDDOT)
- City of Rapid City
- Rapid City Area MPO
- Federal Highway Administration

Consultant Team:

- HDR

Public Members/Stakeholders:

- Landowners and Business Owners
- Traveling Public and Concerned Citizens

Study Contacts



SDDOT Project Manager:

Steve Gramm, PE

Project Development, Data Analysis Engineer

steve.gramm@state.sd.us

Phone: 605-773-6641

Consultant Team Contacts:

Jody Page, PE

Contract Manager

jody.page@hdrinc.com

Phone: 605-791-6100

Brian Ray

Project Manager

brian.ray@hdrinc.com

Phone: 402-548-5066

Why the Study?



South Dakota Decennial Interstate Corridor Study (2010)

- **Review of Findings:**
 - Interchange serves the growing north-northeast edge of the community
 - Interchange is becoming increasingly congested
 - Interchange has elevated crash rates
 - Adjacent access is below minimum standard
- **Recommendations:**
 - Interchange improvements to improve capacity and improve safety

What is the Purpose and Need for this Project?



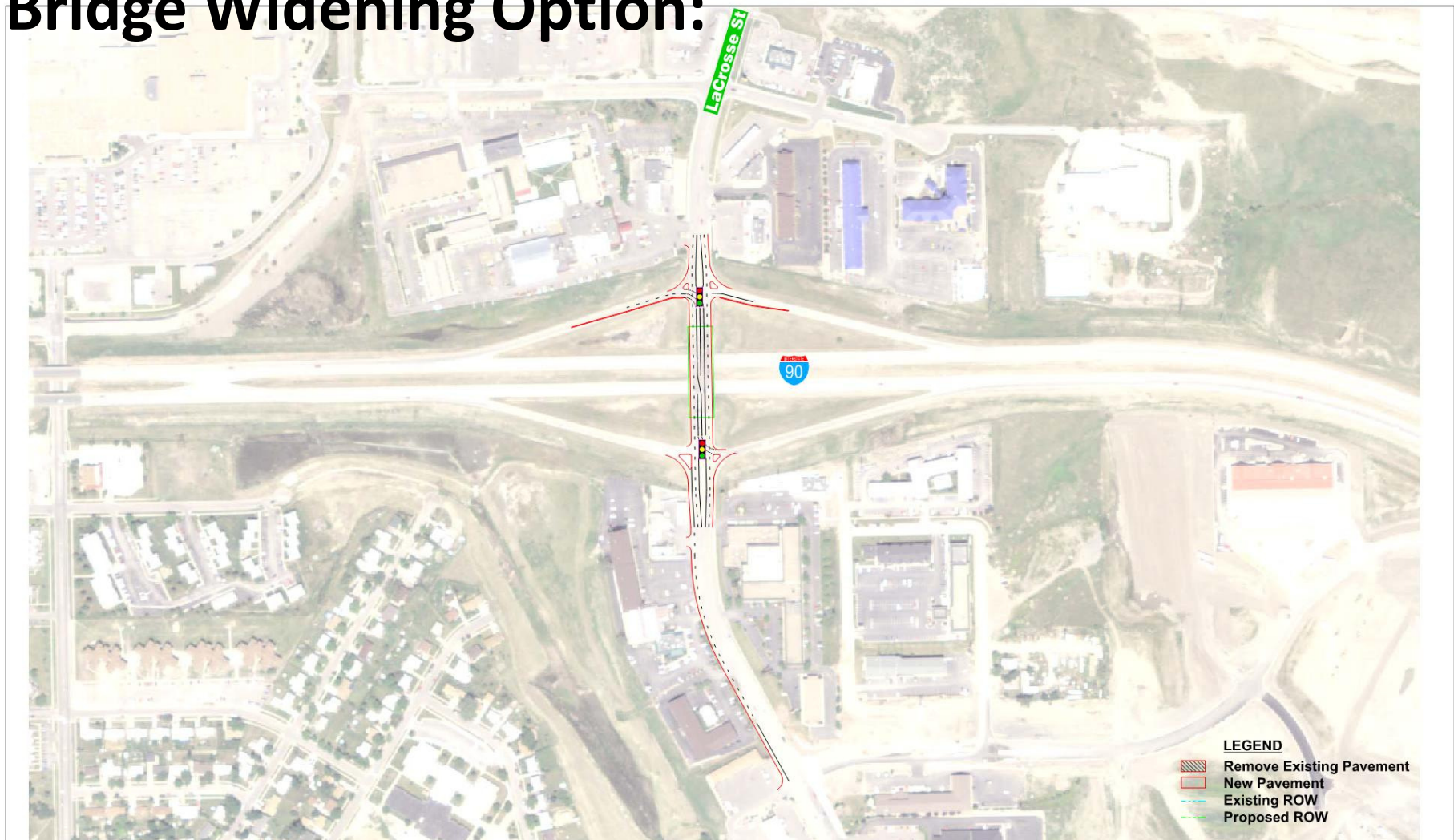
- Improve capacity
- Improve safety



Decennial Study



Bridge Widening Option:



Decennial Study



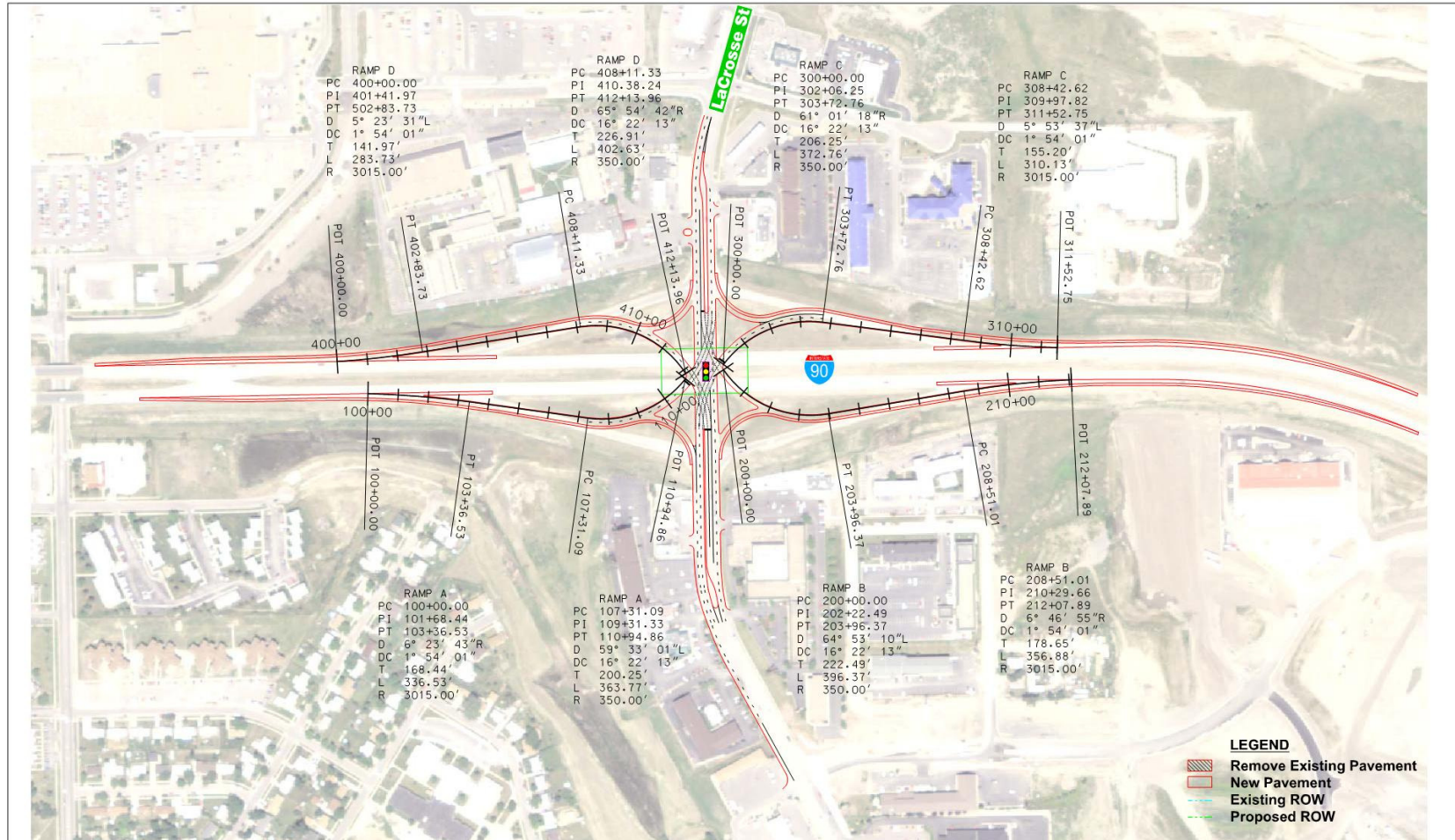
Bridge Widening Option:



Decennial Study



Single Point Urban Interchange (SPUI):



South Dakota Decennial Interstate Corridor Study

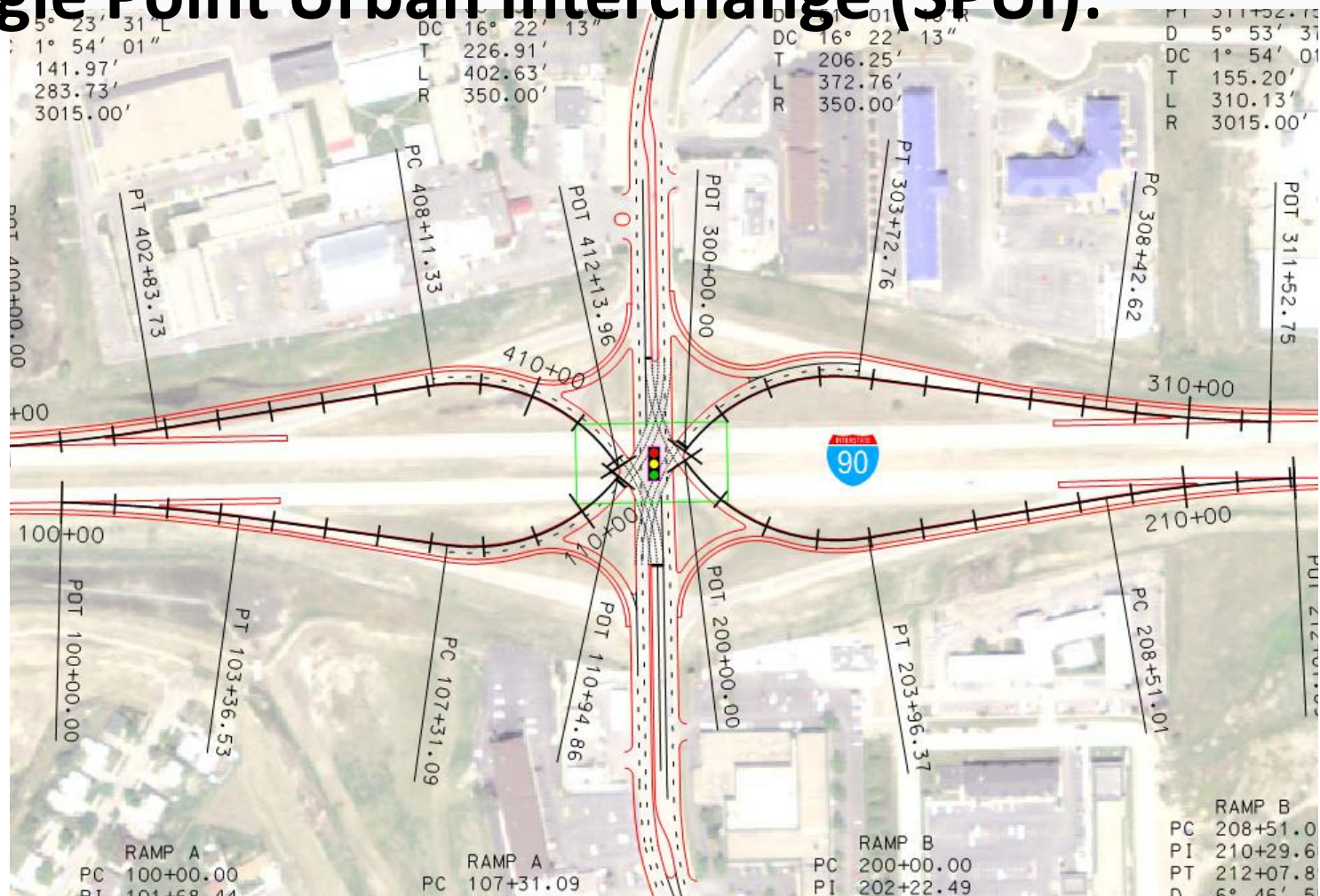
CONCEPTUAL DESIGN

Figure 2.26
I-90 Exit 59 - LaCrosse Street, Rapid City
Alternative 2
Single Point Urban Interchange

Decennial Study



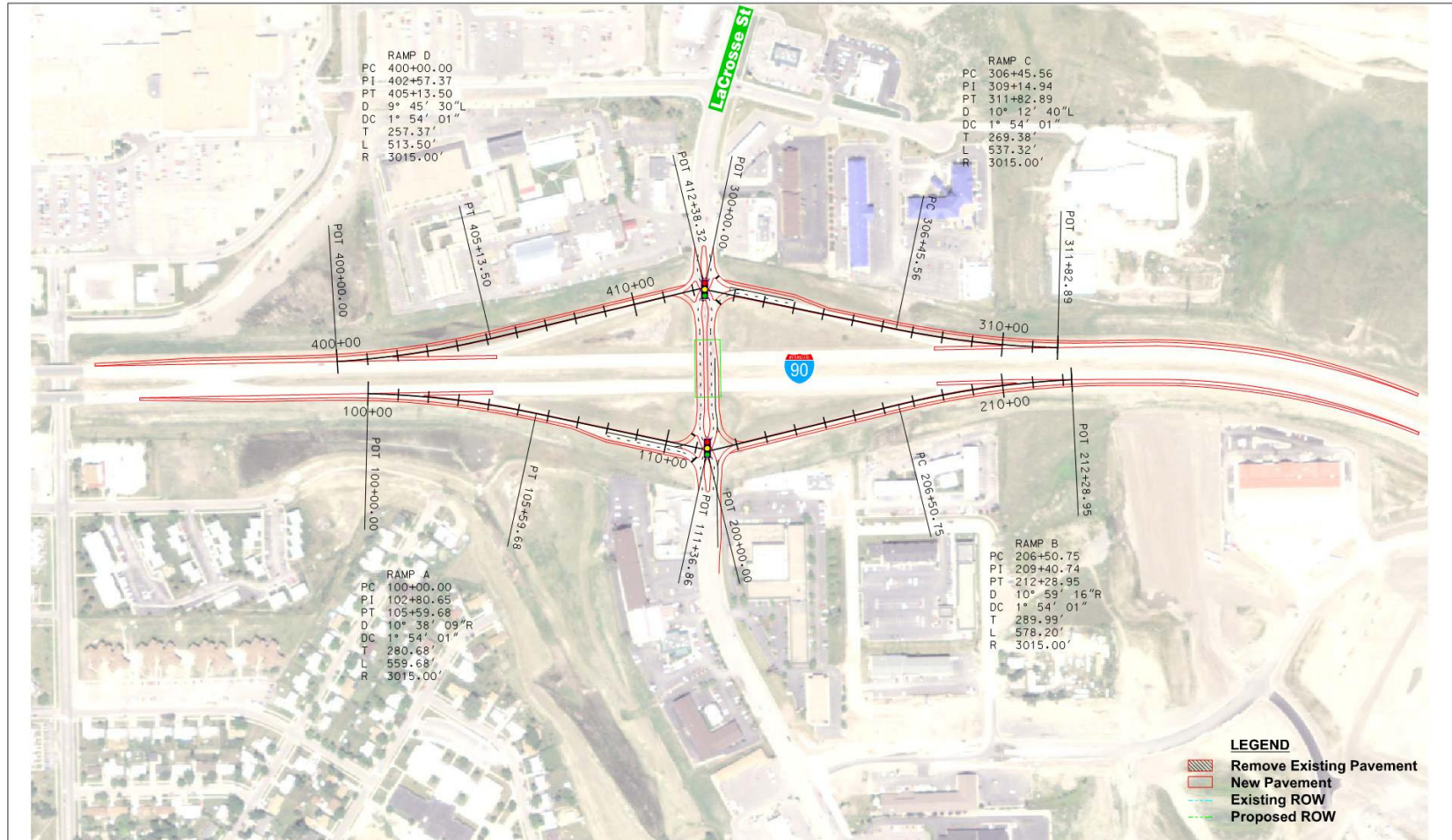
Single Point Urban Interchange (SPUI):



Decennial Study



Diverging Diamond Interchange (DDI):



South Dakota Decennial Interstate Corridor Study

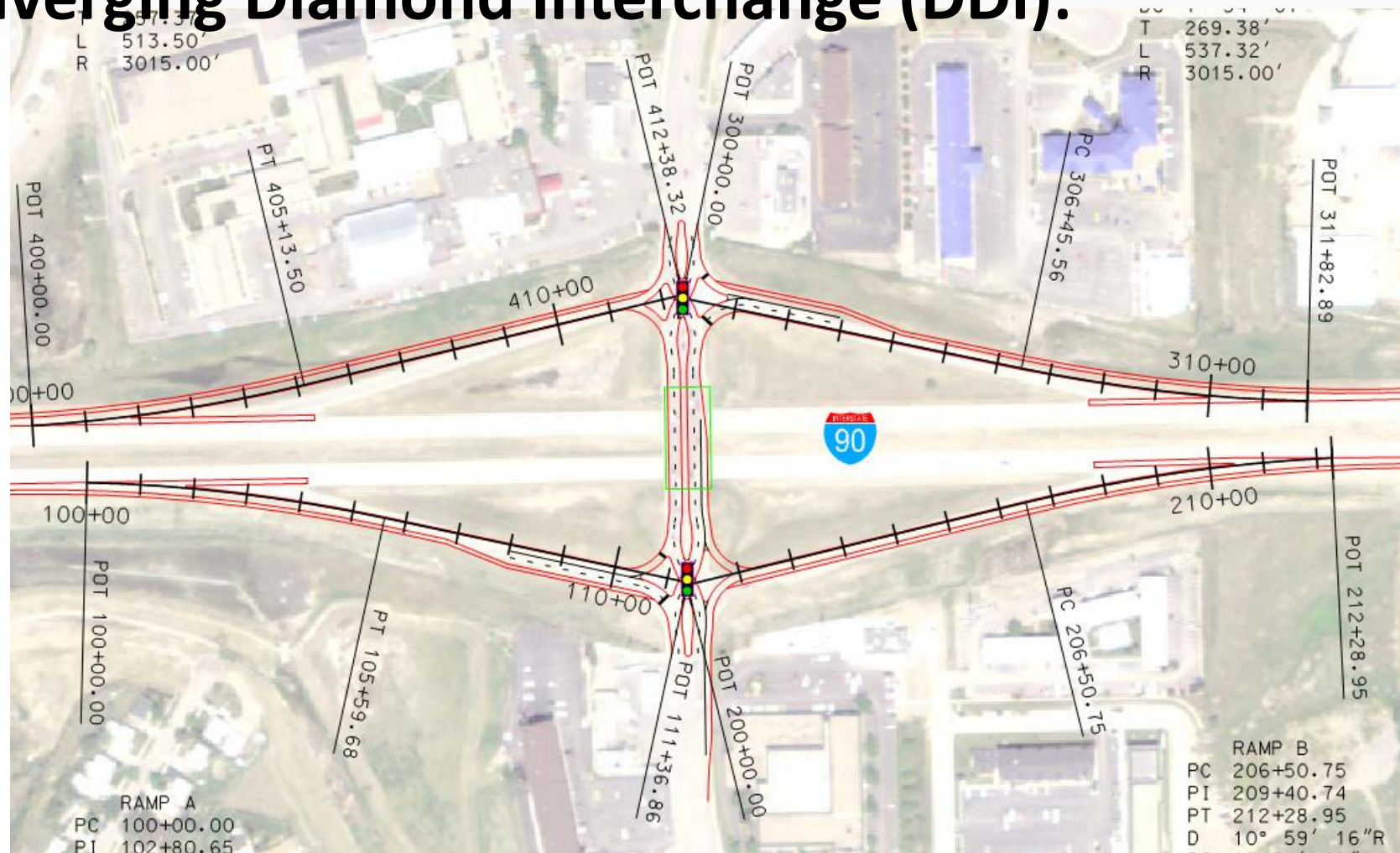
CONCEPTUAL DESIGN

Figure 2.27
 I-90 Exit 59 - LaCrosse Street, Rapid City
 Alternative 3
 Diverging Diamond Interchange

Decennial Study



Diverging Diamond Interchange (DDI):



Study Process



Study Process / Timeline:

July / October 2012 – Data Collection (*completed*)

October / November 2012– Traffic Assessment (*completed*)

November 28 / 29, 2012– Public and Stakeholder Meetings

December 2012 / March 2013 – Develop and Analyze Alternatives

April 2013 – Public and Stakeholder Meetings

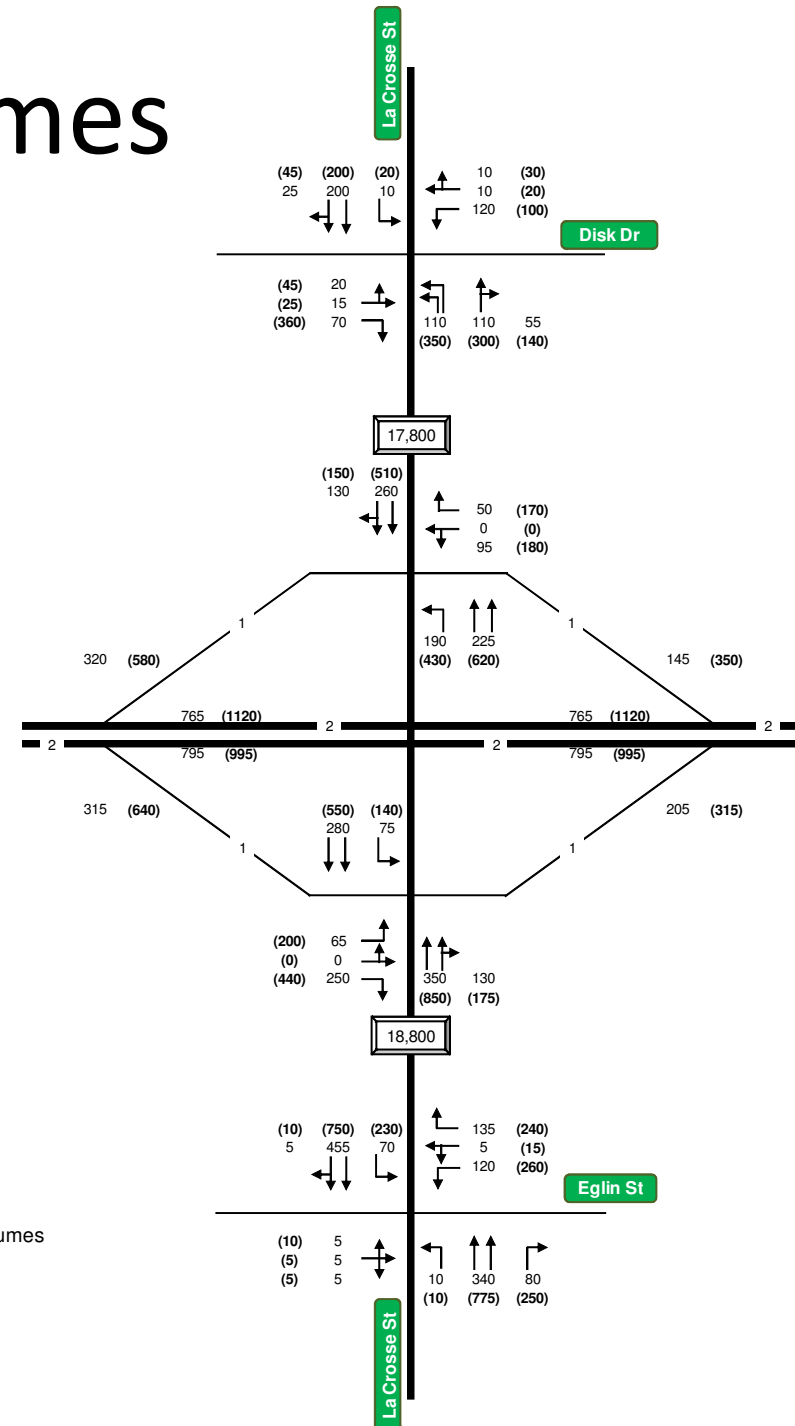
May / August 2013 – Refine Alternatives

September 2013 – Public Meeting

October 2013 – Complete Study Document

November 2013 – Present Final Study and Make Recommendations

Existing Traffic Volumes



LEGEND

- XXX (XXX) AM and (PM) Peak Hour Volumes
- # — Number of Lanes
- Existing Geometrics
- X Average Daily Traffic (ADT)

Steps of the Environmental Process



Consensus Building Process

Implied Consent

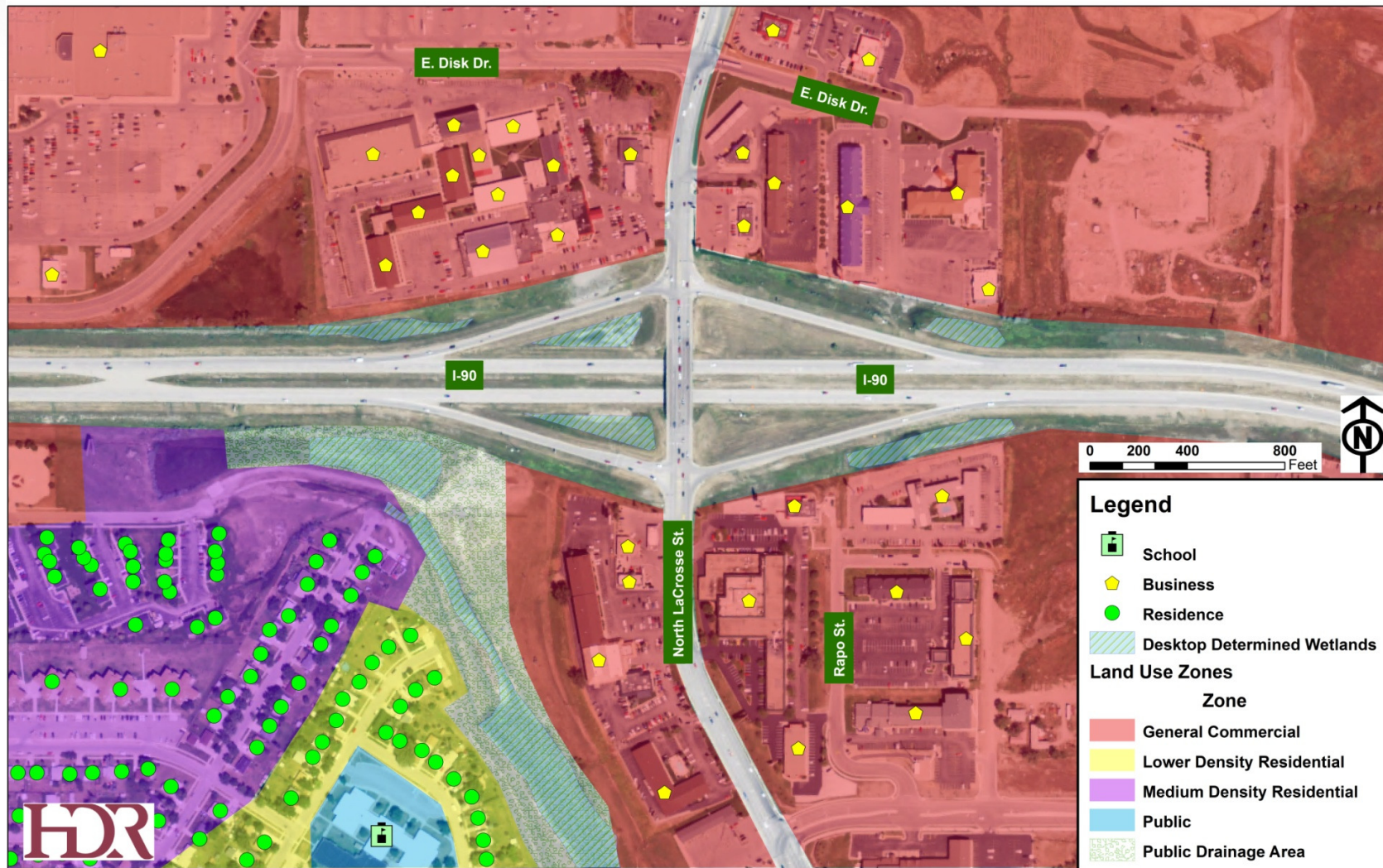
Consensus on Evaluation

Consensus on Final Alternatives

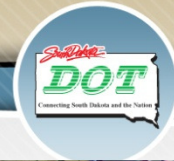
Consensus on Purpose and Need

Consensus on Study Approach and Scope

What Environmental Resources Exist in the Area?



Potential Alternatives?



Potential Alternatives?



Alternative Options:

- 3 Options from Decennial Study
- Other Potential Options

Items to be Considered:

- Accesses along La Crosse Street
- Bicycles/Pedestrians
- Traffic Operations
- Safety


Next Steps



- Obtain & Review Public Comments and Ideas
- Start Developing Concepts
- Review Environmental Impacts
- Conduct Preliminary Evaluation

Project Website



**SOUTH DAKOTA**
DOT
DEPARTMENT OF TRANSPORTATION

Careers | Contacts

HOMETRANSPORTATIONDOING BUSINESSTRAVELERSPROGRAMS/SERVICESINSIDE THE DOTRESOURCESSITE MAP

La Crosse St. (Exit 59) in Rapid City

[Home](#) > [Special Studies](#) > [La Crosse St. \(Exit 59\), Rapid City](#)

Reason for Study:

The 2010 Decennial Update to the Interstate Corridor Study determined that the I-90 Exit 59 (La Crosse Street) interchange would be one of the top interchanges of the existing interchanges of South Dakota's Interstate System to target for improvement. As such, the SDDOT has recognized the need to conduct a more in depth study of the interchange's traffic operations and determine the feasibility of various improvement options for the La Crosse Street interchange.

Study Limits:

The study will examine the interchange's influence area. The routes to be studied follow La Crosse Str

- [Map of Study Area](#)

Public Involvement

The South Dakota Department of Transportation (SDDOT) has a long history of public involvement in the development of transportation plans and projects. The 2005 passage of the Safe, Accountable, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) requires a public involvement process. In accordance with the Department's public participation document, the I-90 Exit 59 (La Crosse Street) Interchange Options Study strives to keep the public involved with the study as much as possible. Public meetings for the study will occasionally be scheduled to collect public input, provide information and answer questions.

Public Meetings

Public Meeting #1 - November 29, 2012

- [Meeting Handout](#)
- [Meeting Presentation](#)

Internet | Prote

www.sddot.com/transportation/highways/planning/specialstudies/lacrosse/

Comment Form



Interstate 90/La Crosse Street Study (Exit 59) Interchange Options

WE WANT TO KNOW WHAT YOU THINK! What are your specific areas of concern and issues you see on the interchange project? What do you feel the SDDOT and the consulting engineer need to take into account? Please submit your comments before December 29th, 2012 to:

Mail: HDR Engineering, Inc.
ATTN: Jody Page
3820 Jackson Blvd., Suite 1
Rapid City, SD 57702

E-mail: jody.page@hdrinc.com

Fax: 605-791-6161

(optional)

Name: _____

Address: _____

Phone: _____

Email: _____

I-90 Exit 59 (La Crosse Street)

Interchange Options Study



**THANK YOU FOR
PARTICIPATING!**